

Method and apparatus for querying a computerized database, such as a distributed database associated with an automated manufacturing process and linked across a computer network. A query engine distributes a desired range of data values to be obtained from the database across a plurality of different query statements. The query statements are simultaneously executed to access the database and transfer associated data subsets into a memory space, after which the data sets are arranged to form the desired range of data values. Preferably, the query engine executes each query statement using a different login account. An auto-brake function is preferably employed to limit input/output (I/O) transfer time for each query statement. Analysis tools perform analysis such as logistic regression and analysis of variance (ANOVA) upon the retrieved data values.